

L9 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1996:417619 CAPLUS

DOCUMENT NUMBER: 125:60913

TITLE: Water-repellent compositions containing fluorinated  
(meth) \*\*\*acrylate\*\*\* polymers, their sprays, and  
their application by spraying

INVENTOR(S): Shimizu, Toshio; Dejima, Hiroshi; Aoyanagi, Muneo

PATENT ASSIGNEE(S): Kao Corp, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

JP 08081883	A2	19960326	JP 1994-214583	19940908
-------------	----	----------	----------------	----------

JP 3279442	B2	20020430		
------------	----	----------	--	--

PRIORITY APPLN. INFO.: JP 1994-214583 19940908

AB The title compns. which show long-lasting water-repellent properties and have no unpleasant odor contain (A) 0.1-5% copolymers of CH<sub>2</sub>:CR<sub>1</sub>CO<sub>2</sub>R<sub>2</sub> [R<sub>1</sub> = H, Me; R<sub>2</sub> = H, (aryl-substituted) linear or branched C<sub>1</sub>-22 alkyl, alkenyl, (linear or branched C<sub>1</sub>-20 alkyl- or alkenyl-substituted) aryl; C<sub>3</sub>-8 cycloalkyl], C<sub>2</sub>-3 hydroxyalkyl (meth)acrylates, and perfluoroalkyl-contg. (meth)acrylates, (B) 90-99.8% C<sub>1</sub>-3 alcs., and (C) 0.1-5% plasticizers and/or F-contg. surfactants. Sprays of the compns. and water-repellent treatment by spraying them are also claimed. Thus, a fluoropolymer prepd. from 50:20:30 \*\*\*acrylic\*\*\* acid, 2-hydroxyethyl methacrylate, and CF<sub>3</sub>(CF<sub>2</sub>)<sub>7</sub>(CH<sub>2</sub>)<sub>11</sub>O<sub>2</sub>CCH:CH<sub>2</sub> 1.0, EtOH 98.0, and di-Bu phthalate 1.0% were mixed with propellants and charged into a container to give a spray, which showed long-lasting water-repellent properties without staining textiles.

EV979440235